

**AMENDMENTS TO THE CLAIMS**

The following is a complete, marked-up listing of revised claims with a status identifier in parenthesis, underlined text indicating insertions, and strike through and/or double-bracketed text indicating deletions.

**LISTING OF CLAIMS**

1. (Currently Amended)            A method ~~in~~ for communication between a vehicle travelling along a route and a stationary system, the vehicle including a communication unit to communicate messages to the stationary system, the method comprising:

dividing the route into a plurality of partial sections;

defining for each partial section a required information flow from the vehicle; ~~and~~

~~adapting the communication to the definition.~~

creating a set of parameters for each partial section, the set of parameters define at least one of when messages are sent and the contents of the messages,

receiving the set of parameters for each partial section at the vehicle communication unit, and

adapting the communication based on said parameters, the adapting includes shifting between a time-controlled communication and a distance-controlled communication.

2. (Currently Amended) A method as claimed in claim 1, further comprising:

~~creating a set of parameters which define at least one of when messages should be sent and content of the messages; and~~

communicating, by the stationary system, the set of parameters for each partial section to the vehicle, ~~so that the communication unit is capable of adapting the communication.~~

3. (Currently Amended) A method as claimed in claim 1, further comprising:

associating each partial section with one of a plurality of predetermined classes, which each define an adaptation of the information flow; and

determining which class ~~the current~~ each partial section is associated with, and adapting the communication for each partial section according to this class.

4. (Cancelled).

5. (Previously Presented) A method as claimed in claim 1, wherein the adaptation comprises changing a longest time period which is allowed to pass before the next messages are sent.

6. (Previously Presented) A method as claimed in claim 1, wherein the adaptation comprises changing a fixed longest section along which the vehicle is allowed to travel before the next messages are sent.

7. (Previously Presented) A method as claimed in claim 1, wherein the adaptation comprises indicating fixed points along the route at which messages are to be sent.

8. (Previously Presented) A method as claimed in claim 1, wherein the adaptation comprises indicating an event which is to initiate transmission of a message.

9. (Previously Presented) A method as claimed in claim 1, wherein the adaptation comprises affecting the contents of the message.

10. (Currently Amended) A method as claimed in claim 1, wherein each message contains information about at least one of vehicle position, vehicle speed and a state of equipment associated with the vehicle ~~equipment~~.

11. (Currently Amended) A method as claimed in claim 2, further comprising:

associating each partial section with one of a plurality of predetermined classes, which each define an adaptation of the information flow; and

determining which class ~~the current~~ each partial section is associated with, and adapting the communication for each partial section according to this class.

12. (Cancelled).

13. (Previously Presented) A method as claimed in claim 2, wherein the adaptation comprises changing a longest time period which is allowed to pass before the next messages are sent.

14. (Previously Presented) A method as claimed in claim 2, wherein the adaptation comprises changing a fixed longest section along which the vehicle is allowed to travel before the next messages are sent.

15. (Previously Presented) A method as claimed in claim 2, wherein the adaptation comprises indicating fixed points along the route at which messages are to be sent.

16. (Previously Presented) A method as claimed in claim 2, wherein the adaptation comprises indicating an event which is to initiate transmission of a message.

17. (Previously Presented) A method as claimed in claim 2, wherein the adaptation comprises affecting the contents of the message.

18. (Previously Presented) A method as claimed in claim 2, wherein each message contains information about at least one of vehicle position, vehicle speed and state of the vehicle equipment.